

Remarks

Claims 22-34, 36-42 and 44 are now pending in this application. Applicant has amended claims 22, 38-42 and 44 to clarify the present invention. Applicant respectfully requests favorable reconsideration of this application.

The Examiner rejected claims 22, 27, and 38 under 35 U.S.C. § 102(b) as being anticipated by U.S. patent 3,795,005 to Monser et al. The Examiner rejected claims 23 and 24 under 35 U.S.C. § 103(a) as being unpatentable over Monser et al. in view of U.S. patent 6,043,785 to Marino. The Examiner rejected claims 25, 26, and 37 under 35 U.S.C. § 103(a) as being unpatentable over Monser et al. in view of U.S. patent 5,801,660 to Ohtsuka et al. The Examiner rejected claims 28-34, 36, 39-42, and 44 under 35 U.S.C. § 103(a) as being unpatentable over Monser et al.

Monser et al. does not disclose the present invention as recited in claim 22 since, among other things, Monser et al. does not disclose a group antenna that includes a plurality of antenna radiating elements each including a body that includes a rotationally-symmetrical surface having an axis of rotation substantially perpendicular to the ground plane. Additionally, Monser et al. does not disclose antenna radiating elements that include a body including a surface having a shape that tapers toward the axis of rotation with increasing distance from the ground plane. Furthermore, Monser et al. does not disclose antenna radiating elements that include a surface covered with a metallic casing. Rather, Monser et al. discloses a spiral antenna that includes a spiral wire. Such a spiral wire does not disclose the body of the antenna radiating element

having the surface recited in claim 22.

In view of the above, Monser et al. does not disclose all elements of the present invention as recited in claim 22 or 27 and 38, which depend from claim 22. Since Monser et al. does not disclose all elements of the present invention as recited in claims 22, 27, and 28, the present invention, as recited in claims 22, 27, and 28, is not properly rejected under 35 U.S.C. § 102(b). For an anticipation rejection under 35 U.S.C. § 102(b) no difference may exist between the claimed invention and the reference disclosure. See *Scripps Clinic and Research Foundation v. Genentech, Inc.*, 18 U.S.P.Q. 841 (C.A.F.C. 1984).

Along these lines, anticipation requires the disclosure, in a cited reference, of each and every recitation, as set forth in the claims. See *Hodosh v. Block Drug Co.*, 229 U.S.P.Q. 182 (Fed. Cir. 1986); *Titanium Metals Corp. v. Banner*, 227 U.S.P.Q. 773 (Fed. Cir. 1985); *Orthokinetics, Inc. v. Safety Travel Chairs, Inc.*, 1 U.S.P.Q.2d 1081 (Fed. Cir. 1986); and *Akzo N.V. v. U.S. International Trade Commissioner*, 1 U.S.P.Q.2d 1081 (Fed. Cir. 1986).

The combination of Monser et al. and Marino does not disclose the present invention as recited in claims 23 and 24, which depend from claim 22, since, among other things, the combination does not suggest a group antenna that includes a plurality of antenna radiating elements each including a body that includes a rotationally-symmetrical surface having an axis of rotation substantially perpendicular to the ground plane, wherein the surface has a shape that tapers toward the axis of rotation with increasing distance from the ground plane and is covered with a metallic casing. Rather, Monser et al. suggests a spiral antenna that includes a spiral wire.

Marino does not suggest a group antenna including a plurality of bodies each having a surface as recited in claim 22. The Examiner only cited Marino as suggesting isolating adjacent antenna elements. Such isolating means does not suggest the antenna bodies having the surface as recited in claim 22. Therefore, the combination of Monser et al. and Marino does not suggest the present invention as recited in claims 23 and 24, which depend from claim 22.

The combination of Monser et al. and Ohtsuka et al. does not suggest the present invention as recited in claims 25, 26, and 37, which depend from claim 22, since, among other things, the combination does not suggest a group antenna that includes a plurality of antenna radiating elements each including a body that includes a rotationally-symmetrical surface having an axis of rotation substantially perpendicular to the ground plane, wherein the surface has a shape that tapers toward the axis of rotation with increasing distance from the ground plane and is covered with a metallic casing. Rather, Monser et al. suggests a spiral antenna that includes a spiral wire. Marino does not suggest a group antenna including a plurality of bodies each having a surface as recited in claim 22. The Examiner only cited Ohtsuka et al. as suggesting securing antenna elements with screws. Securing the spiral wound wire suggested by Monser et al. with screws would not suggest the antenna bodies with the surface recited in claim 22, from which claims 25, 26, and 37 depend. Therefore, the combination of Monser et al. and Ohtsuka et al. does not suggest the present invention as recited in claims 25, 26, and 37, which depend from claim 22.

Monser et al. does not suggest the present invention as recited in claims 28-34, 36, 39-42, and 44, which depend from claim 22, since, among other things, Monser et al. does not suggest a

group antenna that includes a plurality of antenna radiating elements each including a body that includes a rotationally-symmetrical surface having an axis of rotation substantially perpendicular to the ground plane, wherein the surface has a shape that tapers toward the axis of rotation with increasing distance from the ground plane and is covered with a metallic casing. Rather, Monser et al. suggests a spiral antenna that includes a spiral wire. Marino does not suggest a group antenna including a plurality of bodies each having a surface as recited in claim 22. Therefore, the combination of Monser et al. and Marino does not suggest the present invention as recited in claims 28-34, 36, 39-42, and 44.

In view of the above, the references relied upon in the office action, whether considered alone or in combination, do not disclose or suggest patentable features of the present invention. Therefore, the references relied upon in the office action, whether considered alone or in combination, do not anticipate the present invention or make the present invention obvious. Accordingly, Applicant respectfully requests withdrawal of the rejections based upon the cited references.

In view of the above, Applicant submits that this case is now in condition for allowance and respectfully requests favorable reconsideration of this case and early issuance of the Notice of Allowance.

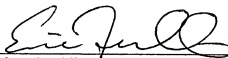
If an interview would advance the prosecution of this case, Applicant respectfully urges the Examiner to contact the undersigned at the telephone number listed below.

The undersigned authorizes the Commissioner to charge fee insufficiency and credit overpayment associated with this communication to Deposit Account No. 22-0261.

Respectfully submitted,

Date: _____

6/25/07



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